Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/20/2019 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124779	-1	1.32	124874	1.29
Blue	F	SSC	125000	124133	-1	1.57	124968	1.52
Blue	E	FITC	16122	15724	-3	2.66	343	19.68
Blue	D	PE	29316	28897	-2	1.83	631	14.26
Blue	B	PerCP-Cy5-5	42590	41890	-2	3.53	1130	20.00
Blue	A	PE-Cy7	33146	32412	-3	6.06	613	40.00
Red	C	APC	45473	44886	-2	2.47	1587	12.08
Red	A	APC-Cy7	31961	31035	-3	2.43	820	11.69
Violet	B	V450	7914	7608	-4	4.78	424	13.14
Violet	A	V500	29769	28739	-4	4.57	667	10.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21318	3.03	605	5	N/A	N/A	Pass
Blue	F	SSC	56464	1.08	546	8	N/A	N/A	Pass
Blue	E	FITC	62	61.47	538	1	0.0202	85	Pass
Blue	D	PE	132	49.42	540	3	0.1860	322	Pass
Blue	B	PerCP-Cy5-5	206	49.06	640	2	0.0093	50	Pass
Blue	A	PE-Cy7	115	97.54	693	2	0.0114	12	Pass
Red	C	APC	379	24.79	583	4	0.0244	115	Pass
Red	A	APC-Cy7	180	28.47	559	3	0.0060	1179	Pass
Violet	B	V450	64	59.75	466	6	0.0554	2198	Pass
Violet	A	V500	100	31.36	478	6	0.0216	389	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.73	0.97
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.54	13.60 - 20.40	N/A	N/A	29.52	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10049

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments